iOS Programmierung
(mit Swift)

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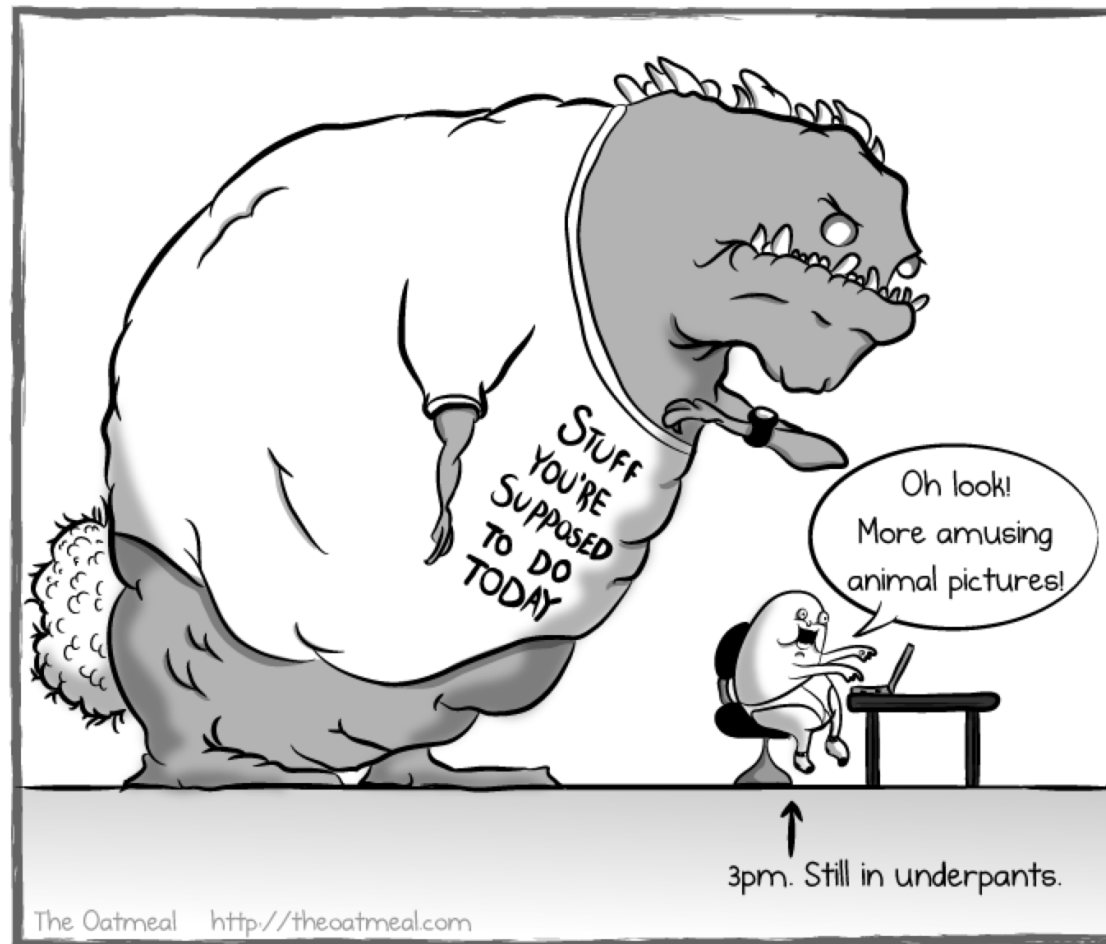
Deutsche Telekom AG

FHWS - Hochschule für angewandte Wissenschaften Würzburg-Schweinfurt

#FHWSSwift

Agenda

1. **Introduction** — Organisatorisches
2. **First iOS-Project** — Hello World, **First iOS-Project** — Still Hello World (now with Code 😄)
3. **Swift,** Wait!, What about Objective-C?, Why Swift?
4. **A (not so) Quick Tour**
5. **Documentation**
6. **The basics —** iOS Architecture & more
7. **User Interfaces —** View Controller, Auto Layout & Size Classes
8. **Storyboard & Segues**
9. **Tables & NavigationController**
10. **TabBarController**
11. **Notifications**
12. **PickerViews**
13. **Touches, Gestures, 3D Touch, Peek & Pop**
14. **ScrollView & StackViews**
15. **Networking** — JSON & Dependency Managers
16. **WebKit**
17. **Maps**
18. **Storage & Data persistency —** NSUserDefaults, NSKeyedArchiver & Core Data
19. **ObjC**

```swift
print("Hello Würzburg! We ❤️ Swift!")
```

not today

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Swift / iOS Programmierung

Lehrveranstaltung:	iOS-Programmierung
Fach- bzw. Prüfungsnummer:	5003087
Modul:	iOS-Programmierung
Modulverantwortlicher:	Prof. Dr. Braun
Dozenten:	Andreas Wittmann & Florian Bachmann
Semesterwochenstunden	4

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Prototyping
Group Innovation+ / Technology
Deutsche Telekom AG

Course Introduction

Who are you?

Termine

1. Block: 03. – 05.12 (Thu - Sa)

2. Block: 10. – 11.12 (Do - Fr)

from 9 am till 5 pm

Exams are scheduled in January and February

Course Goals

- learning and loving Swift 😍

- become iOS-Pro 😎

- have fun to create your own apps 😄

- pass an exam 😏

Class Topics

- the iOS universe
- mobile design principles
- Swift
- iOS 9
- View Controllers
- Views
- Auto Layout

- Size classes
- Input types
- Data Persistence
- Networking
- Maps & Locations
- Frameworks
- & more …

Exam in JAN/FEB

- **midterm exam** between 2. Block and Exam

  - Group project

- individual assessment à 25 minutes. Includes:

  - presentation from midterm exam,

  - programming in the "Playground",

  - and general questions about Swift and the iOS Frameword

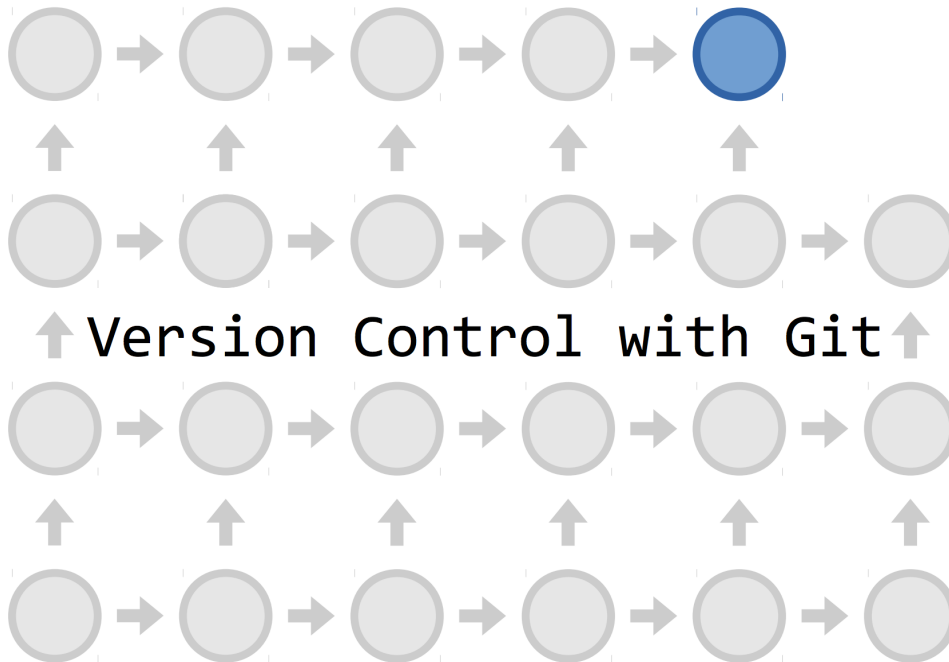| Do	Fr	Sa	So	Mo
03.12. 1. Tag 9 bis 17 Uhr Raum I.3.19	04.12. 2. Tag 9 bis 17 Uhr Raum I.2.15	05.12. 3. Tag 9 bis 17 Uhr Raum I.2.15	Zwischen- aufgabe Tag 1	Zwischen- aufgabe Tag 2
10.12. 4. Tag 9 bis 17 Uhr Raum I.3.19	11.12. 5. Tag 9 bis 17 Uhr Raum I.2.15	Zwischen- aufgabe Tag …	Zwischen- aufgabe Tag …	Prüfungen Datum wird noch bekanntgegeben (ab 9 Uhr)

Course material

Slides, Code examples,

Playgrounds and more at

github.com/iosprogrammingwithswift
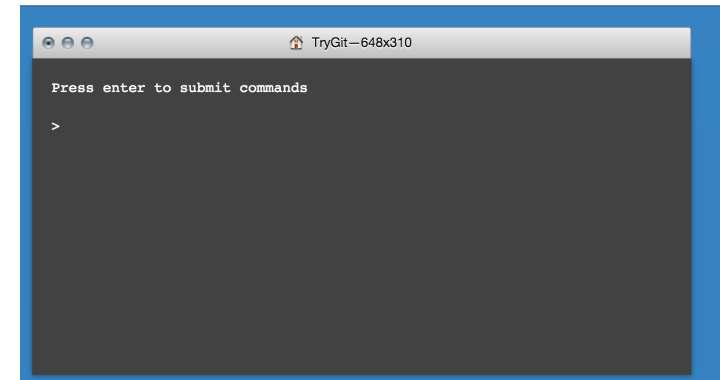
Git?!

Version Control with Git

1.1 · Got 15 minutes and want to learn Git?

Git allows groups of people to work on the same documents (often code) at the same time, and without stepping on each other's toes. It's a distributed version control system.

Our terminal prompt below is currently in a directory we decided to name "octobox". To initialize a Git repository here, type the following command:

→ **git init**


```
TryGit—648x310

Press enter to submit commands

>
```

.gitignore

github / **gitignore**

👁 Watch ▾   1,357   ★ Unstar   30,080   ⑂ Fork   11,241

`<>` Code   ⑂ Pull requests **151**   ⩙ Pulse   ⊪ Graphs

Branch: **master** ▾   **gitignore** / **Swift.gitignore**   Find file   Copy path

nrbrook Remove *.xcscheme to Global/Xcode.gitignore,Objective-C.gitignore and…   97dc1fd 14 days ago

7 contributors

54 lines (44 sloc) | 1.14 KB   Raw   Blame   History   🖥   ✏️   🗑

```
 1   # Xcode
 2   #
 3   # gitignore contributors: remember to update Global/Xcode.gitignore, Objective-C.gitignore & Swift.gitignore
 4
 5   ## Build generated
 6   build/
 7   DerivedData
 8
 9   ## Various settings
10   *.pbxuser
```

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